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☐	L1	ammonia.ti. and detect$.ti.	417
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END OF SEARCH HISTORY

1. 20050171449. 15 Feb 05. 04 Aug 05. Method and apparatus for detecting ammonia from exhaled breath. Suslick, Kenneth S., et al. 600/532; 422/55 436/164 A61B005/08 G01N021/00 G01N021/75.

☐ 2. 20050084977. 16 Oct 03. 21 Apr 05. Method and device for detecting ammonia odors and helicobacter pylori urease infection. Boga, RameshBabu, et al. 436/113; G01N033/53 G01N033/00.

☐ 3. 20030003589. 28 May 02. 02 Jan 03. Ammonia detection and measurement device. Khalil, Gamal E., et al. 436/113; 422/56 422/82.05 422/82.09 422/86 422/88 436/100 436/101 436/106 436/111 436/164 436/167 G01N033/00.

☐ 4. 6625975. 28 Feb 01; 30 Sep 03. Device and method for detecting ammonia. Stahl; Roland, et al. 60/286; 60/274 60/295 60/301 60/303. F01N003/00.

☐ 5. JP02003329339A. 14 May 02. 19 Nov 03. METHOD FOR DETECTING AMMONIUM LEAKAGE FROM AMMONIUM COMPRESSION TYPE REFRIGERATION SYSTEM, METHOD FOR PREVENTING HAZARD FROM SPREADING, AND DEVICES FOR THE SAME. KUDO, TAKANORI, et al. F25B049/02; F25B001/00.

☐ 6. JP02001056283A. 17 Aug 99. 27 Feb 01. EXPOSURE QUANTITY DETECTING DEVICE BY RETENTION AMMONIA GAS. INOUE, WAHEI. G01N017/00; F25B049/02 G01N027/04.

☐ 7. JP02000055850A. 13 Aug 98. 25 Feb 00. METHOD FOR DETECTING FAILURE IN DEVICE FOR MEASURING CONCENTRATION OF AMMONIUM NITROGEN. NOSE, KATSUTOSHI, et al. G01N027/06; G01N033/18 G01N035/08.

☐ 8. JP362119110A. 19 Nov 85. 30 May 87. DEVICE FOR DETECTING LEVEL OF AMMONIUM SULFATE MOTHER LIQUOR. INABA, MAMORU, et al. 422/106. C01C001/242; G01F023/16.

☐ 9. WO000067015A2. 26 Apr 00. 09 Nov 00. DEVICE AND METHOD FOR DETECTING AMMONIA. STAHL, ROLAND, et al. G01N033/00;.

☐ 10. US20050171449A. Exhaled ammonia detection apparatus includes breath capture device comprising sensor plate having Lewis acid dye that produces a detectable spectral, transmission or reflectance response in the presence of ammonia. HULKOWER, K I, et al. A61B005/08 G01N021/00 G01N021/75.

☐ 11. JP2005173402A. Regeneration apparatus of photoresist image development waste liquid generated from semiconductor device manufacturing plant, has detectors to detect tetralkyl ammonium-ion compound and/or photoresist concentration of waste liquid. SUGAWARA, H. B01D061/14 B01D061/20 C02F001/44 G01N021/33 G01N027/00 G01N029/02 G01N029/18 G03F007/30 H01L021/027.

☐ 12. US20050084977A. Breath testing device for detecting the presence of ammonia odors and helicobacter pylori urease infection, comprises a visual indicating agent, which is color sensitive to ammonia. BOGA, R, et al. G01N033/00 G01N033/53.

☐ 13. JP2004298666A. Treatment equipment for waste water containing nitrate and ammonia, supplies waste water to adsorption towers, when detected characteristic value of waste water processed by nitrogen removal device, exceeds preset value. B01J020/20 B01J047/00 B01J047/02 C02F001/28 C02F001/42.

☐ 14. US20040188622A. Infrared gas-detection device, e.g. for ammonia, has package that accommodates infrared emitter and infrared sensor that detects degree of absorption of emitted infrared rays by gas in space between package and reflector plate. SUZUKI, Y, et al. G01N021/35.

☐ 15. JP2004085525A. Assay method e.g. for ammonia concentration in clean room, involves measuring sum of quantity of air passed inside pipe and color-change length of detection agent, after passing air of measurement space into pipe at preset rate. G01N021/77 G01N021/78 G01N031/00 G01N031/22.

☐ 16. JP2004072089A. Chemical-mechanical polishing end point detection apparatus for manufacture of semiconductor device, converts acidic slurry into basic slurry and measures ammonia in basic slurry. BARBEE, S G, et al. B24B037/00 B24B037/04 H01L021/302 H01L021/304.

☐ 17. JP2003344379A. Detection of minute amount of urea in sample water used in manufacturing ultra pure water for semiconductor manufacture, involves analyzing ammonium ion content having produced by hydrolyzing urea, without adding chemical agent. G01N001/28 G01N030/06 G01N030/88.

☐ 18. JP2003330348A. Image forming device has detector for detecting exposure amount of ammonia or moisture content in space provided in image forming unit, for conditioning air. G03G021/00 G03G021/18.

☐ 19. KR2003061243A. Sensor device for detecting ammonia gas. CHOI, Y S, et al. G01N027/12.

☐ 20. WO2003041565A. Detecting Helicobacter pylori infection in a subject's expiration, by exposing an ammonia sensitive sensor to expiration and measuring basal ammonia level with the device. HUBBARD, T W, et al. A61B000/00 A61B005/08 G01N031/00 G01N033/497.

☐ 21. US 6406669B. Optical ammonia gas sensing apparatus, useful for quantitatively determining amount of ammonia in fluid, comprises transparent polyaniline film, spectrometer, optical fiber, charge coupled device detector, and computer. DUAN, Y, et al. G01N021/77.

☐ 22. WO 200244144A. New benzophenone compounds e.g. (4-(3,5-bis-trifluoromethyl-benzoyl)-2-(2-- tert-butoxycarbonylamino-2-methoxycarbonyl-ethyl)-phenyl)-trimethyl-ammoni- um, useful as radiolabeled imaging agents for early detection and diagnosis of Parkinson's. CHIN, F T, et al. C07C069/74 C07D000/00.

☐ 23. JP2002071639A. Nitrogen oxide concentration measurement apparatus for power station, refuse incinerator, has ammonia removal device provided in upstream side of measurement gas fetching opening where nitrogen oxide detector is placed. G01N001/22 G01N027/28 G01N027/416 G01N027/419.

☐ 24. KR2001016813A. Device for detecting leakage of ammonia gas. BAEK, I Y, et al. G01N027/407.

☐ 25. JP2000356598A. Chemoluminescent agent detection involves detecting source material passing chemoluminescence in specimen, by contacting oxidized ammonium nitrite salt with specimen after oxidizing the specimen with solid oxidizer. G01N021/78.

☐ 26. DE 19919472A. Device for detecting ammonia in a catalytic arrangement has a detecting

section and an analyzing section. STAHL, R, et al. B01D053/86 B01D053/90 B01D053/94 F01N003/00 F01N003/08 F01N003/20 G01N031/00 G01N031/10 G01N033/00.

☐ 27. EP 1039299A. Detection of protein on surfaces by color reaction on a sampling device comprises using a nonionic or zwitterionic surfactant to suppress interference from quaternary ammonium disinfectants. BAARS, E, et al. A61L009/00 B08B007/04 G01N031/00 G01N033/52 G01N033/68.

☐ 28. US 5989840A. Ammonia test devices - for use with antibody detection as test for active helicobacter pylori. DANGELO, J P, et al. G01N021/00 G01N031/22 G01N033/554.

☐ 29. JP 09264629A. Low temperature ammonia vapour absorption refrigeration system for subzero temperature brine chilling - uses sequence control device to start absorption cycle operation after condensation pressure detection value raises above preestablished startup pressure at starting time. F25B015/00.

☐ 30. WO 9730351A. Detecting ammonia in exhaled breath of patient - by capturing exhaled ammonia, contacting it with indicator and detecting visible change, useful for subjects suffering renal failure or Helicobacter pylori infections in the gastrointestinal tract. BALDWIN, T J, et al. A61B000/00 C12Q001/04 G01N031/22 G01N033/497.

☐ 31. WO 9726827A. Measurement of ammonia in breath sample using laser - directed through sample in reduced pressure chamber and detecting transmitted light to obtain spectral response and hence ammonia concentration. SHARPE, S W, et al. A61B010/00 G01N021/35.

☐ 32. JP 09145554A. Ammonia gas standard leak detection device - comprises two precise gas flow regulators for ammonia and diluted gas, and gas mixer. F28D015/02 G01M003/02 G01N001/00 G01N030/04.

☐ 33. JP 08336399A. Detecting arginine - comprises decomposing arginine by using arginase, decomposing obtd. urea by using urease and detecting obtd. ammonia.. C12M001/34 C12Q001/00 C12Q001/58 G01N027/12 G01N027/327 G01N033/68.

☐ 34. JP 08005561A. Ammonium ion measuring device using flow injection analysing method - has reservoir tank contg. cleaning reactive bath and visible light detector. G01N021/15 G01N021/78 G01N030/74.

☐ 35. JP 07323034A. Germ detection appts. - comprises admin. of urea to patient, collection of exhaled breath and detection of ammonia gas in breath. A61B005/08 A61B010/00 C12M001/34 C12Q001/04.

☐ 36. JP 07318531A. Device for removing ammonium ions for sodium ion detector - has bubbler in reactor bath, nitrogen@ gas feeding line, alkali charging device and sample collecting pipe. G01N001/36 G01N027/28 G01N027/416.

☐ 37. FR 2713774A. Liquid dissolved gas, such as ammonium ions in water, quantitative and qualitative analysing device - has spectroscopic analyser of vapour contained above water sample to detect absorption characteristic of particular molecules. MINGHETTI, P. G01J003/42 G01N021/31.

☐ 38. US 5420016A. Device for detecting Helicobacter pylori by measuring urease levels - comprises a urease substrate, an ammonia-sensitive indicator and sulphamic acid. BOGUSLASKI, R C,

et al. C12Q001/04 C12Q001/58 G01N021/00.

☐ 39. JP 07026943A. Denitriding device control - in which CPU is connected to output detector, signal converter and ammonia control valve. B01D053/34 B01D053/56 B01D053/74 F01N003/08.

☐ 40. JP 06254591A. Nitrification and denitrification device using bio-film filter - has vertical aeration pipes above and below filter, selectively operable for ammonia and nitric acid detection. C02F003/34.

☐ 41. US 5308771A. Sensing device for detecting hydrogen ions, ethylene ammonia, carbon mon:oxide or water - comprises beads having outer film of porous polymer matrix contg. reagent whose absorption spectrum alters in presence of analyte. NELSON, B N, et al. G01N021/00.

☐ 42. EP 633946B. Detection of urease in human biological tissue - by contact with buffered urea and using formed ammonia to change colour of indicator, used esp. for diagnosing Helicobacter pylori infection. BOGUSLASKI, R C, et al. C12M001/40 C12Q001/00 C12Q001/04 C12Q001/26 C12Q001/58 C12Q001/62 G01N021/77 C12Q001/04 C12R001:01.

☐ 43. JP 04358521A. Denitrification appts. - includes vaporisation device with reducing agent decomposition catalyst bed, supply device for reducing agent, heated gas supply device, ammonia detector, etc.. B01D053/34 B01D053/36.

☐ 44. EP 501307A. Aminoacid sequencing by fluorescent labelling - esp. with fluorescein iso:thiocyanate, then quenching excess labelling agent with ammonium salt preliminary to chromatographic detection. MURAMOTO, K, et al. G01N021/78 G01N030/06 G01N030/74 G01N030/88 G01N033/58 G01N033/68.

☐ 45. US 5116591A. Spray system for neutralising and/or combining toxic or noxious fluids - has devices for venting and detecting ammonia from refrigeration plant and for activating water spray to neutralise atomised ammonia harmlessly. WITTER, J S. C01C001/00 G05B009/05 G05D016/00.

☐ 46. EP 458231A. Substrate compsn. for urease for detecting ligand in liq. assays - comprising a cpd. converted by urease to ammonia, a tetrazolium salt and a reducing agent. MAPES, J P, et al. C12N009/96 C12Q001/00 C12Q001/58 G01N021/00 G01N033/53 G01N033/535 G01N033/543 G01N033/544 G01N033/58 G01N033/62 G01N033/84.

☐ 47. JP 02120663A. Ammonium gas fixing appts. to control ammonia concn. - has gas lines, redn. catalyst, nitrogen oxide detector and device to control gas lines change over cycle. G01N031/00.

☐ 48. JP 02086914A. Exhaust gas purifier for hydrogen engine - has ammonia synthesiser, nitrogen oxide detector, mixer and reducing device. F01N003/08 F01N009/00 F02B043/10.

☐ 49. JP 01296160A. Detecting agent for olefin(s) - comprises benzyl-tri-lower-alkyl:ammonium poly:halide on carrier e.g. silica gel. G01N031/00 G01N031/22.

☐ 50. EP 333290A. Ammonia gas sensing device in smoke detection system - has amplifier and comparator connected to device for determining concentration of hydrochloric acid vapours. LABOUT, W A M, et al. G01M003/28 G08B017/10.

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